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PATENT

Attorney Docket No.: 2003-IP-009956 U1 USA

IN THE UNITER A GAMES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Michael L. Fripp, et al.

Serial No.:

10/658,899

Filed:

September 10, 2003

Entitled:

BOREHOLE DISCONTINUITIES FOR

ENHANCED POWER GENERATION

. Group Art Unit:

3672

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

As listed on the accompanying form PTO-SB-08, the Applicants hereby call the examiner's attention to the following information of which they are aware, in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56. Copies of the listed references, other than U.S. patents, are enclosed with this Information Disclosure Statement.

U.S. Patents:

4,015,234

4,416,000

5,839,508

5,101,907

5,202,194

4,215,426

6,504,258

Published U.S. Patent Applications:

2002/0096887

Foreign Patent Documents:

WO 02/057589

Attorney Docket No.: 2003-IP-009956 U1 USA

Other Non-patent Documents:

Journal of Hydraulic Engineering, "Sediment Management with Submerged Vanes. 1:

Theory", Vol. 117, dated March 1991

McGraw-Hill, Inc., "Fluid Mechanics", dated 1979, 1986

This Information Disclosure Statement is being filed under the provisions of 37 CFR

§1.97(b)(3), which provides for the timely filing of an Information Disclosure Statement before

the mailing of a first Office Action on the merits.

The filing of this Information Disclosure Statement shall not be construed as a

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considered to be, material to patentability, or that no other material information exists. Further,

the filing of this Information Disclosure Statement shall not be construed as an admission against

interest in any manner.

Written notification that the listed documents have been considered in their entirety, by

return of a copy of the enclosed form completed by the examiner, is respectfully requested.

Respectfully submitted,

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Attorney for Applicants

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Dated:

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Mar. 12, 2004

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known				
Application Number	10/658,899			
Filing Date	September 10, 2003			
First Named Inventor	Michael L. Fripp			
Group Art Unit	3672			
Examiner Name	Unknown			
Attorney Docket Number	2003-IP-009956 U1 USA			

U.S. PATENT DOCUMENTS U.S. Patent Document Pages, Columns, Lines,							
	Cite No. ¹	Cite Kind Code?		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	
		4,015,234		Erich Krebs	03-29-1977		
		4,416,000		Serge A. Scherbatskoy	11-15-1983		
		5,839,508	3	Paulo Tubel et al.	11-24-1998		
		5,101,907	·	Roger L. Schultz et al.	04-07-1992		
		5,202,194	· [Charles F. VanBerg, Jr.	04-13-1993		
·		4,215,426		Frederick Klatt	07-29-1980		
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	FOREIGN PATENT DOCUMENTS								
Examiner Cite Initials' No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,			
		Office ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Τ ⁶	
		wo	02/057589		Halliburton Energy Services, Inc.	07-25-2002			
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Signature	Considered

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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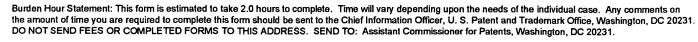
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Substitut	te for form 1449B/P	το		Complete if Known			
				Application Number	10/658,899		
INFO	ORMATIO	N DIS	SCLOSURE	Filing Date	September 10, 2003		
STATEMENT BY APPLICANT				First Named Inventor	Michael L. Fripp		
0.7.				Group Art Unit	3672		
(use as many sheets as necessary)				Examiner Name	Unknown		
Sheet	2	of	2	Attorney Docket Number	2003-IP-009956 U1 USA		

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
		Journal of Hydraulic Engineering, "Sediment Management with Submerged Vanes. 1: Theory", Vol. 117, dated March 1991				
		McGraw-Hill, Inc., "Fluid Mechanics", dated 1979, 1986				
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Examiner Signature	ŗ	Date Considered				

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